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DATE: August 15, 2006

To: USPTO
Mail Stop AMENDMENT

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A Response to Restriction Requirement for Application No. 10/786,475 follows.

Thank you,
Debbie Vitale
Patent Administrator
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Docket No. 100/1046-20

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By


Debbie Vitale

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Karel Konvicka	Examiner: Russell S. Negin
Application No.: 10/786,475	Group: 1631
Filed: February 24, 2004	
Title: Improvements to Analysis Methods for Individual Genotyping	RESPONSE TO RESTRICTION REQUIREMENT

Mail Stop AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the Restriction Requirement mailed July 19, 2006, Applicants respectfully elect to prosecute claims in Group I (Claims 1-77), drawn to a method, apparatus, computer readable media, or computer implemented method for determining a genotype of at least one individual from a genetic marker, classified in class 702, subclass 19, in the above-identified application.

The Restriction Requirement further required species elections for Group I. With respect to Category #1 (claims 13-15), Applicants elect to prosecute claims for which the subsets comprise three density centers. Claims 13 reads on the elected specie since it describes such an embodiment. With respect to Category #2 (claims 19, 20), Applicants elect to prosecute claims for which the probability clustering process is initiated using a solution obtained by at least one

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Art Unit: 1631

K-means algorithm. Claims 20 reads on the elected specie since it describes such an embodiment.

Applicants believe that the present application is in condition for allowance and action toward that end is respectfully requested. If any fees are due (or any fees are to be credited) in connection with the filing of this Response to Restriction Requirement, the Commissioner is hereby authorized to charge such fees to the Perlegen Sciences, Inc. Deposit Account 50-2043. If the Examiner believes that a telephone interview would expedite the allowance of this application, the Examiner is requested to contact the undersigned at the telephone number below.

Respectfully submitted,



Deana A. Arnold, Ph.D.
Reg. No. 52,567

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